

4.2.D. 0513010804.

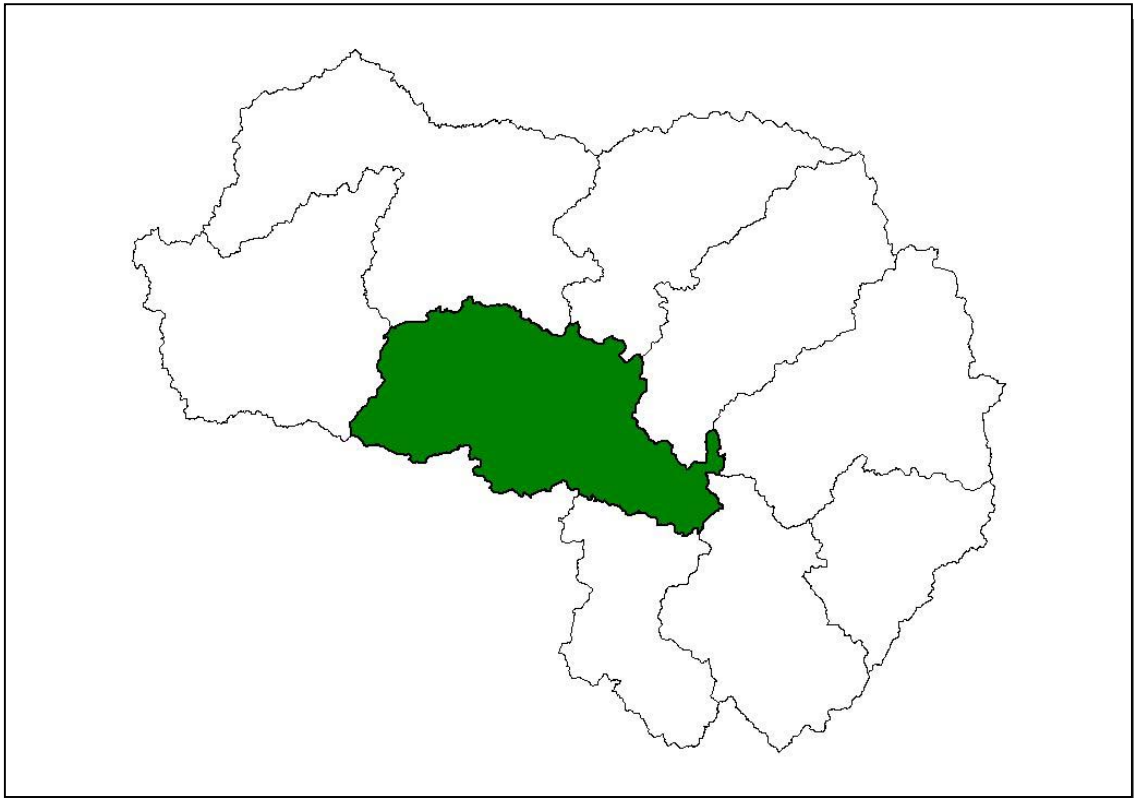


Figure 4-30. Location of Subwatershed 0513010804. All Caney Fork HUC-10 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

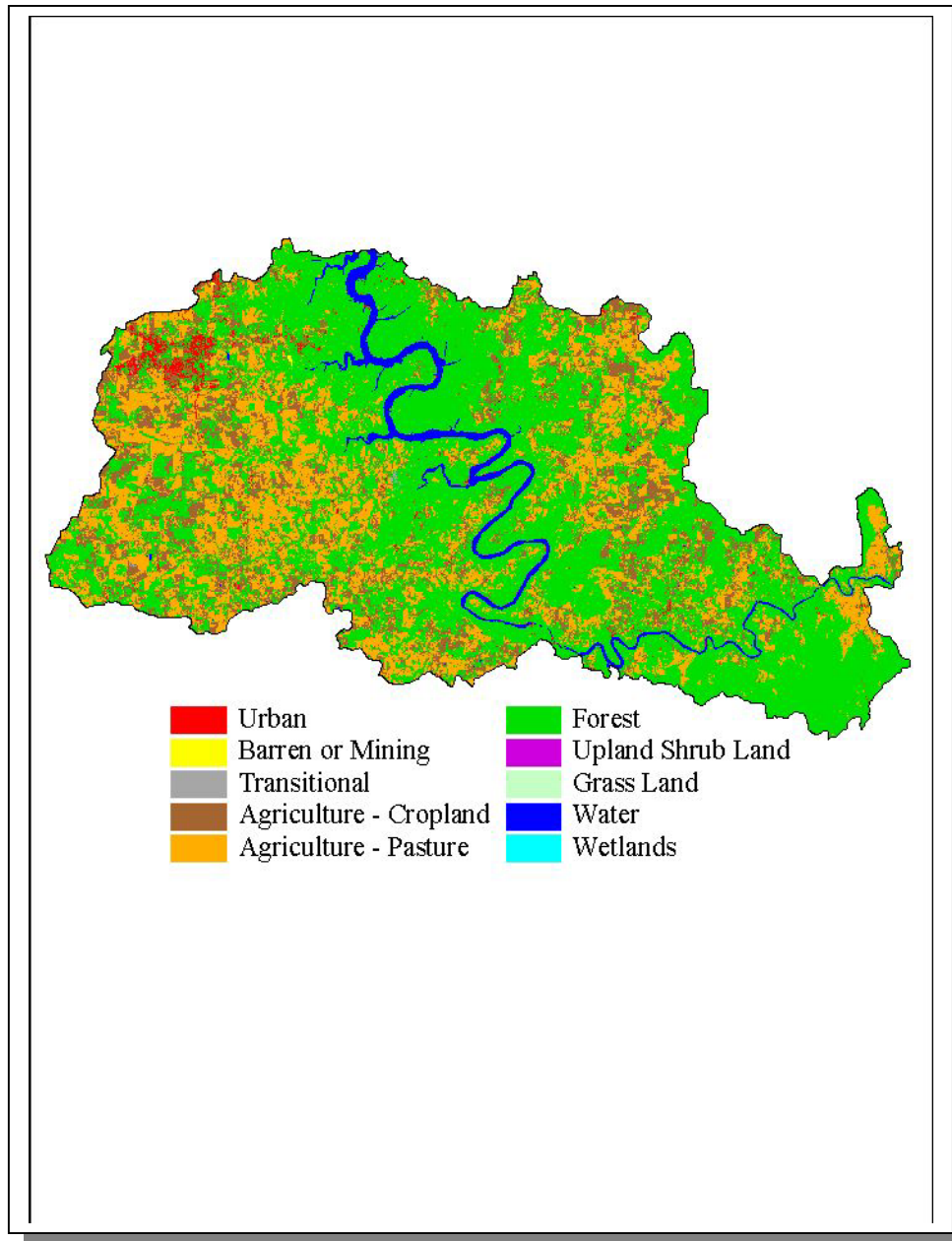


Figure 4-31. Illustration of Land Use Distribution in Subwatershed 0513010804.

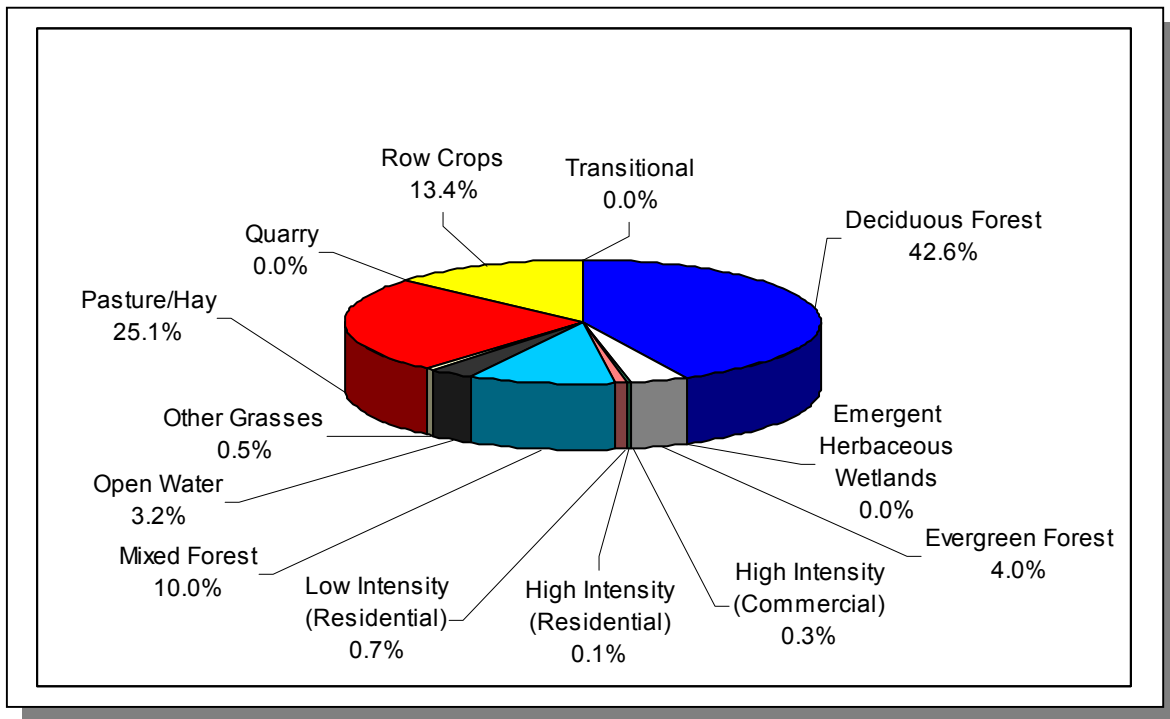


Figure 4-32. Land Use Distribution in Subwatershed 0513010804. More information is provided in Caney Fork-Appendix IV.

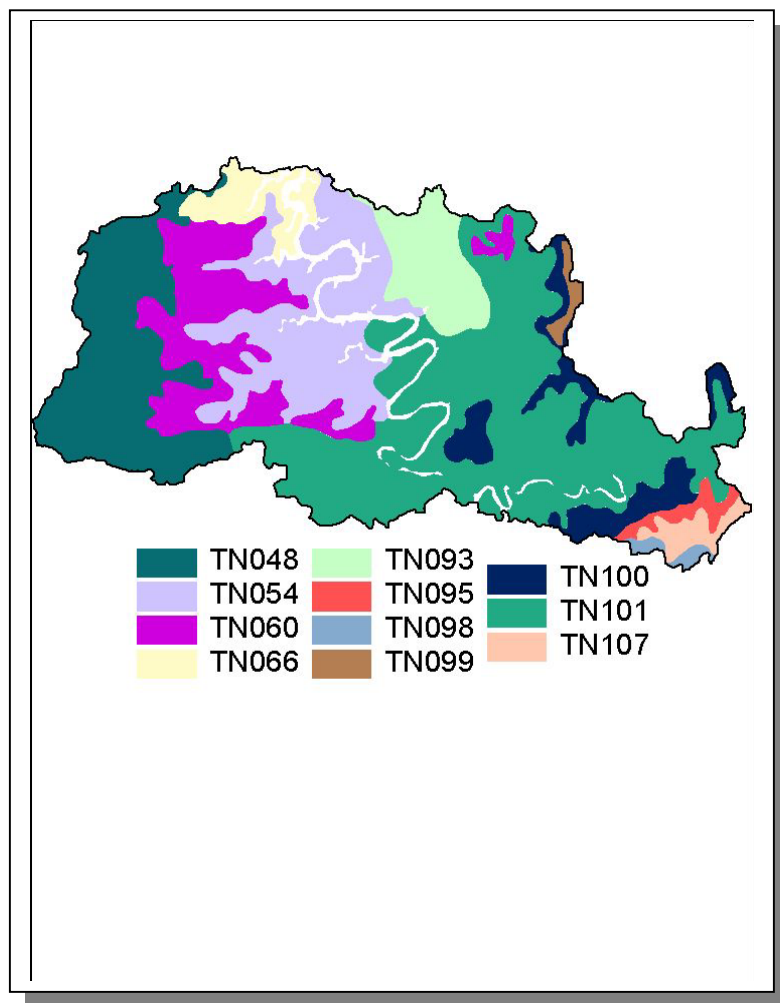


Figure 4-33. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010804.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN048	8.00	C	1.38	5.06	Silty Loam	0.42
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN066	0.00	B	2.62	4.75	Loam	0.28
TN093	0.00	B	2.43	4.95	Loam	0.36
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN099	1.00	B	1.65	4.98	Silty Loam	0.33
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN101	0.00	B	1.71	5.39	Loam	0.35
TN107	1.00	C	6.34	4.84	Loam	0.28

Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0513010804. More information is provided in Caney Fork-Appendix IV.

County	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
Cannon	10,467	12,011	0.61	64	73	14.1
DeKalb	14,360	15,743	35.97	5,165	5,663	9.6
Van Buren	4,846	5,060	9.66	468	489	4.5
Warren	32,992	35,777	5.95	1,964	2,130	8.5
White	20,090	22,201	19.38	3,894	4,303	10.5
Total	82,755	90,792		11,555	12,658	9.5

Table 4-20. Population Estimates in Subwatershed 0513010804.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Doyle	White	359	150	10	129	11
Spencer	Van Buren	1,125	466	23	436	7
Smithville	De Kalb	3,791	1,693	1,560	122	11
Total		5,275	2,309	1,593	687	29

Table 4-21. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0513010804.

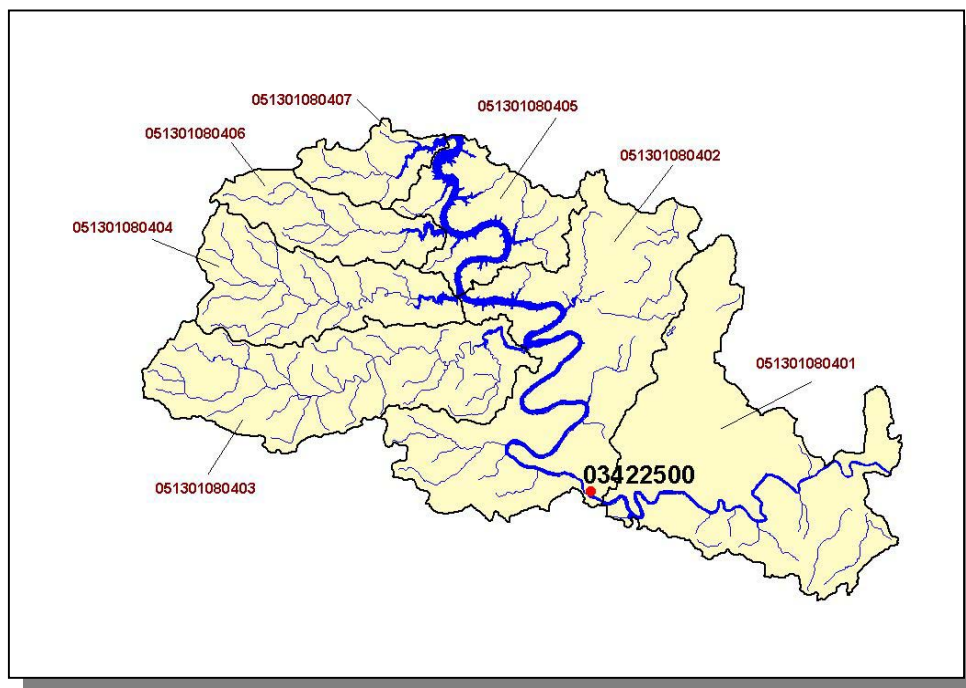


Figure 4-34. Location of Historical Streamflow Data Collection Sites in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

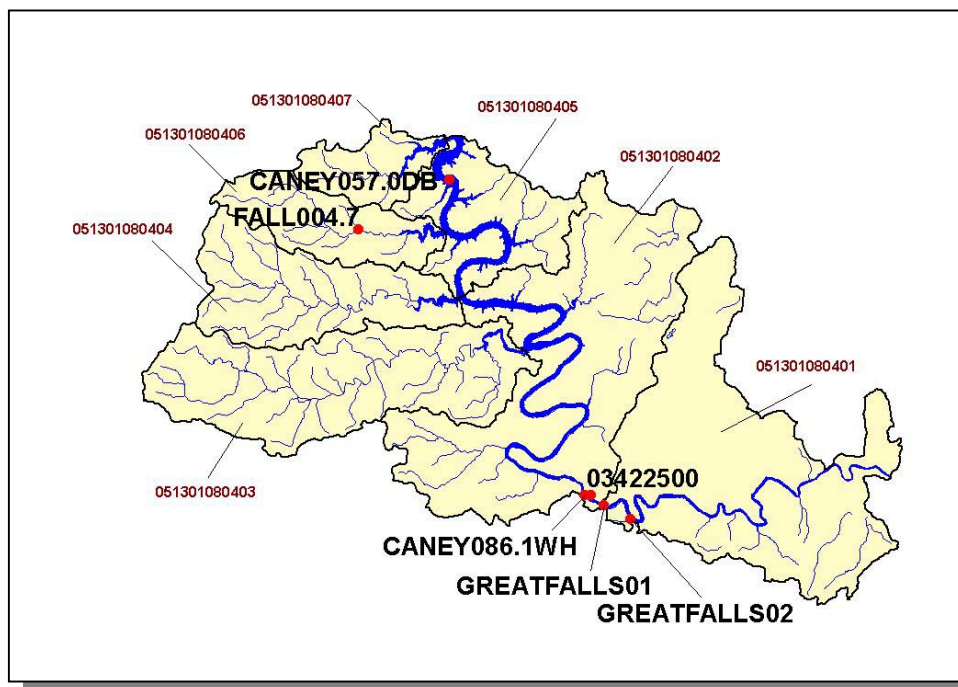


Figure 4-35. Location of STORET Monitoring Sites in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

4.2.D.ii. Point Source Contributions.

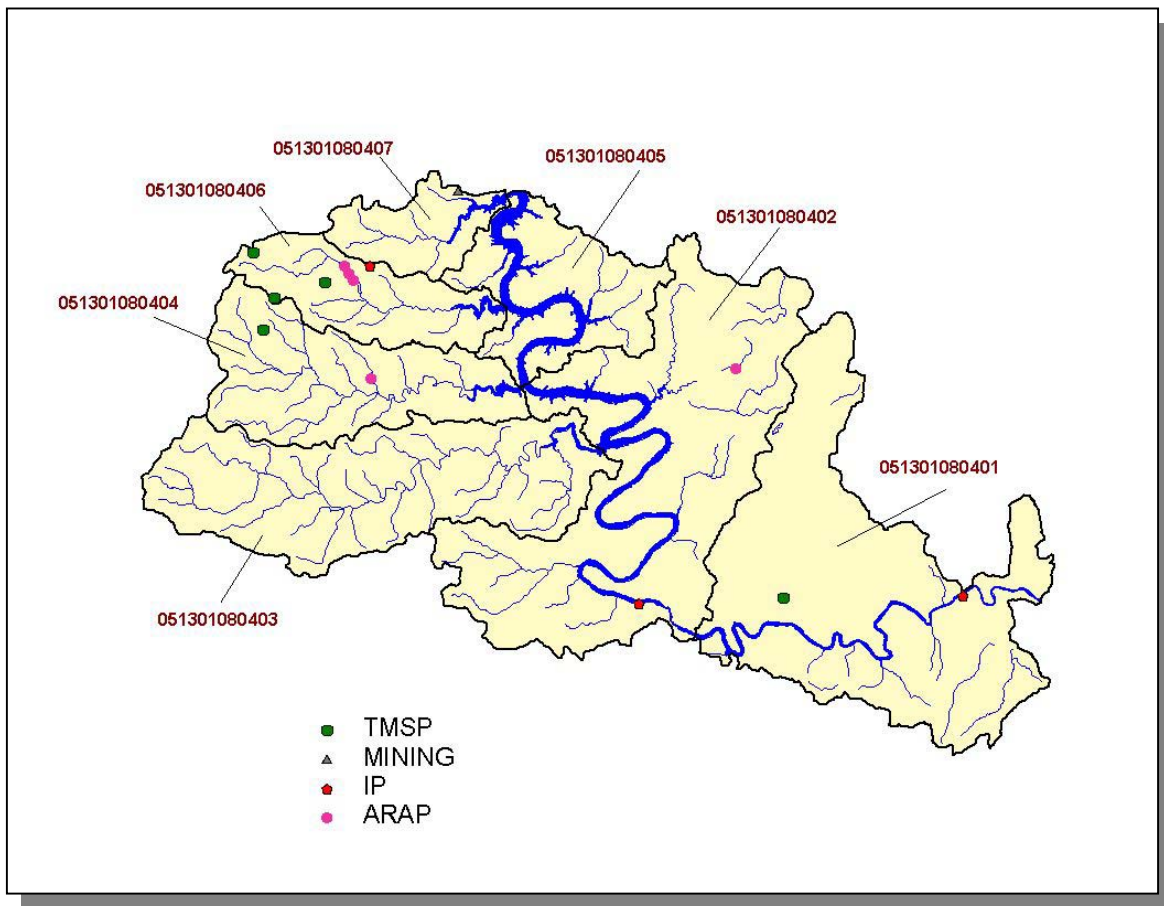


Figure 4-36. Location of Active Point Source Facilities in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in the following figures.

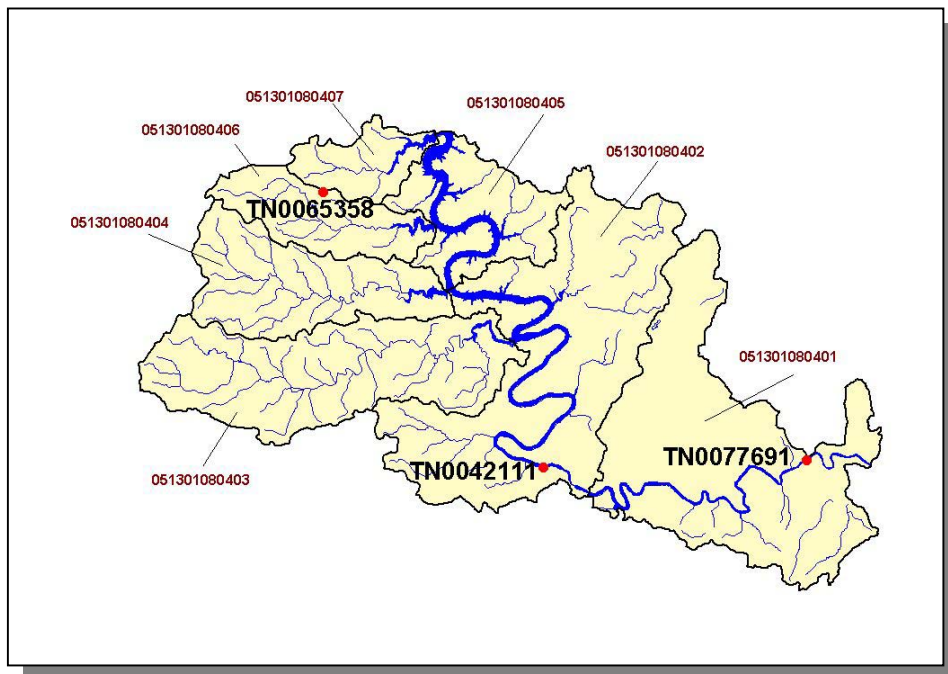


Figure 4-37. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

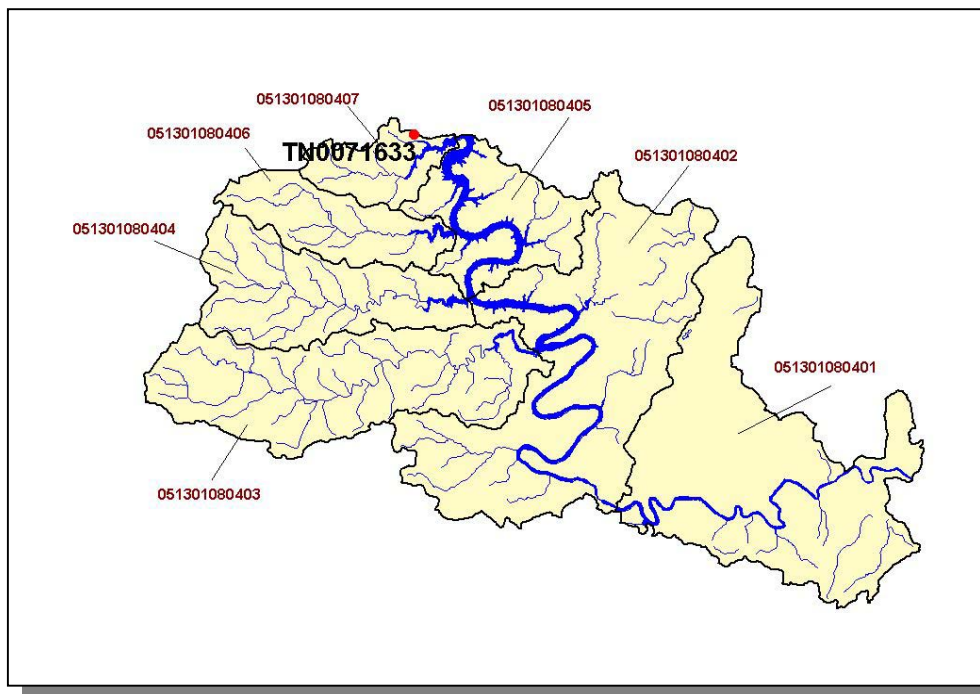


Figure 4-38. Location of Active Mining Sites in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

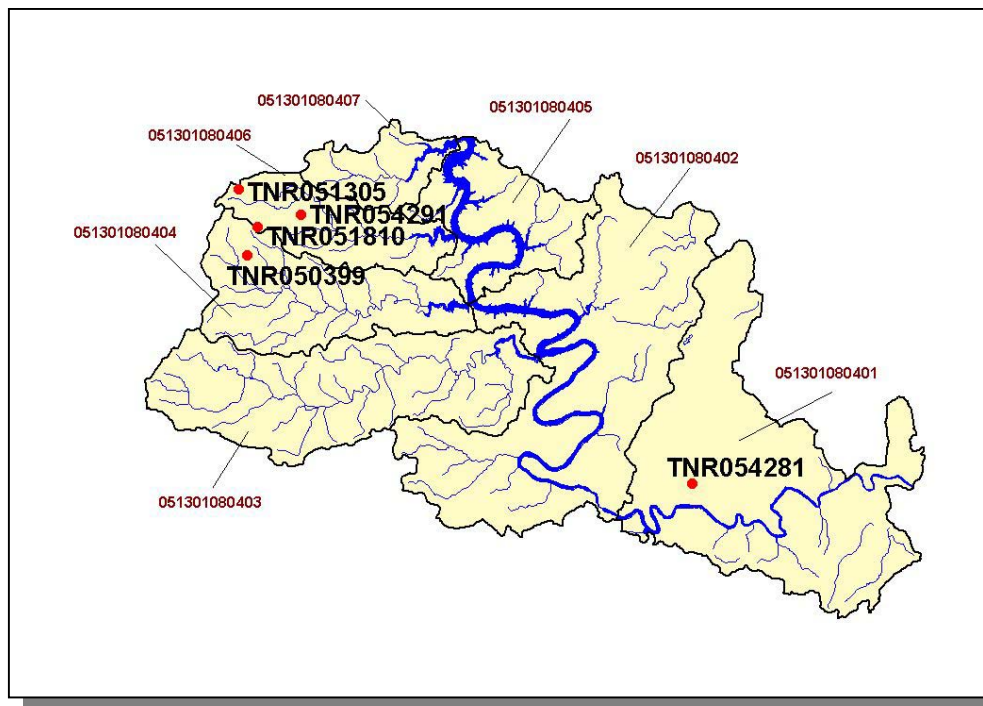


Figure 4-39. Location of TMSP Facilities in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

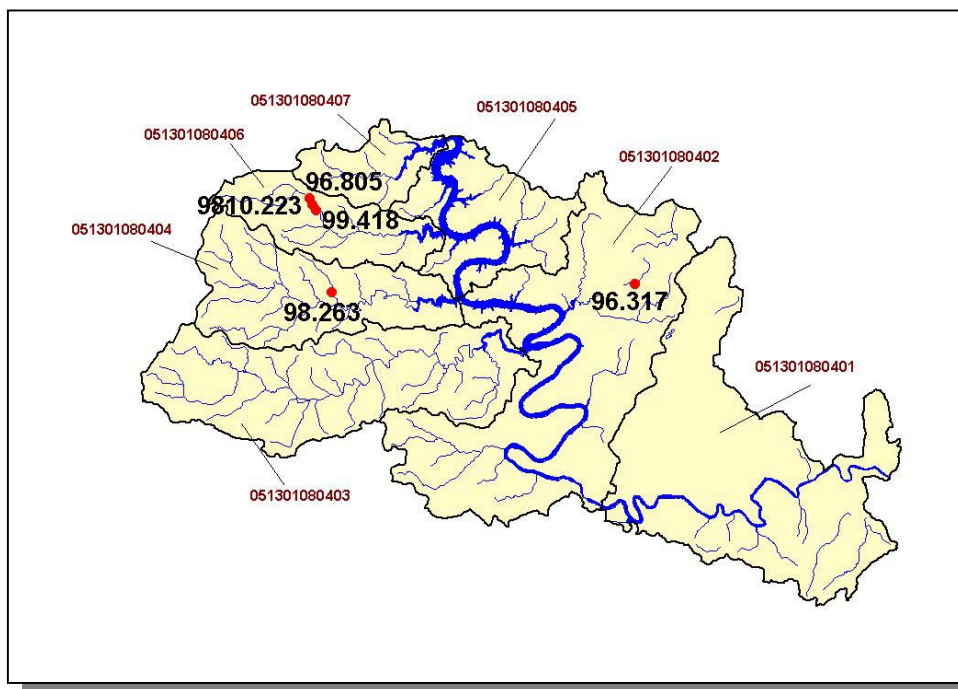


Figure 4-40. Location of ARAP Sites (Individual Permits) in Subwatershed 0513010804. Subwatershed 051301080401, 051301080402, 051301080403, 051301080404, 051301080405, 051301080406, and 051301080407 boundaries are shown for reference. More information is provided in Caney Fork-Appendix IV.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Milk Cow	Cattle	Chickens	Chickens Sold	Hogs	Sheep
12,892	1,240	25,078	21	0	532	81

Table 4-23. Summary of Livestock Count Estimates in Subwatershed 0513010804. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cannon	88.5	88.5	1.7	7.1
Van Buren	145.0	135.4	2.3	9.5
Warren	93.6	93.6	2.4	10.1
White	129.4	129.4	4.9	23.3
Total	456.5	446.9	11.3	50.0

Table 4-24. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0513010804.

CROPS	TONS/ACRE/YEAR
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.24
Non Agricultural Land Use	0.00
Corn (Row Crops)	6.15
Soybeans (Row Crops)	3.97
Tobacco (Row Crops)	7.88
Wheat (Close Grown Cropland)	6.42
All Other Close Grown Cropland	0.67
Grass (Hayland)	0.56
Legume (Hayland)	0.47
Legume/Grass (Hayland)	0.98
Other Cropland not Planted	2.01
Grass (Pastureland)	0.90
Grass, Forbs, Legumes (Mixed Pasture)	0.60
Other Land in Farms	0.25
Conservation Reserve Program Land	0.20
Legume (Pastureland)	0.37
Fruit (Horticulture)	0.08
Other (Horticulture)	3.50

Table 4-25. Annual Soil Loss in Subwatershed 0513010804.